Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A method for enabling a moving picture mail server to receive moving picture mail from a first mobile terminal and transmit the received moving picture mail to a second mobile terminal, comprising performing, by the moving picture mail server, the steps of:

(a) confirming, by the moving picture mail server, a support codec of the first mobile terminal serving as a transmitting side;

(b) confirming, by the moving picture mail server, a support codec of the second mobile terminal serving as a receiving side;

(c) determining, by the moving picture mail server, whether or not the support codecs of the first and second mobile terminals are compatible;

(d) if the support codecs of the first and second mobile terminals are compatible, transmitting, by the moving picture mail server, the moving picture mail received from the first mobile terminal to the second mobile terminal;

(e) if the support codecs of the first and second mobile terminals are incompatible, transcoding, by the moving picture mail server, the moving picture mail received from the first mobile terminal on the basis of the support codec of the second mobile terminal; and

(f) transmitting, by the moving picture mail server, the transcoded moving picture mail to the second mobile terminal,

wherein the transcoding operation of step (e) further comprises the steps of:

selecting a first codec corresponding to the support codec of the first mobile terminal and a second codec corresponding to the support codec of the second mobile terminal;

decoding the moving picture mail received from the first mobile terminal by means of the selected first codec; and

coding the decoded moving picture mail by means of the selected second codec.

2. (Cancelled)

3. (Currently Amended) The method as set forth in claim [[2]] 1, wherein the first codec comprises a Joint Photographic Expert Group (JPEG) codec and the second codec comprises a wavelet codec.

4. (Currently Amended) The method as set forth in claim [[2]] 1, wherein the step (a) further comprises the steps of:

receiving a moving-picture mail transmission notification message from the first mobile terminal; and

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confirming the first mobile terminal's support codec information included in the moving-picture mail transmission notification message, and

wherein the step (b) further comprises the steps of:

notifying the second mobile terminal of the fact that the moving picture mail has arrived; and

receiving a response message from the second mobile terminal, and confirming the second mobile terminal's support codec information included in the response message.

5. (Currently Amended) The method as set forth in claim [[2]] 1, wherein the step of transmitting the moving picture mail from the moving picture mail server to the second mobile terminal further comprises the steps of:

when the second mobile terminal requests that the moving picture mail be transmitted, transmitting the moving picture mail at a preset transmission rate; and

checking buffering information of the moving picture mail fed from the second mobile terminal, newly setting the transmission rate according to a change of the buffering information, editing the moving picture mail according to the newly set transmission rate, and performing a transmission operation.

6. (Original) The method as set forth in claim 5, wherein the step of newly setting the transmission rate comprises the step of:

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confirming a new transmission rate based upon the buffering information transmitted from the second mobile terminal through a transmission rate change table and setting the confirmed new transmission rate, the moving picture mail server including the transmission rate change table corresponding to the buffering information.

7. (Original) The method as set forth in claim 6, wherein the step of editing the moving picture mail according to the newly set transmission rate further comprises the step of:

performing an editing operation by reducing a size of an image frame according to the newly set transmission rate so that image data can be reproduced in real time.

8. (Previously Presented) The method as set forth in claim 5, further comprising generating, at the second terminal, the buffer information of the moving picture mail, wherein the generating step comprises:

receiving the moving picture mail from the moving picture mail server, storing the received moving picture mail in a buffer of the second mobile terminal, reproducing data of the received moving picture mail, and buffering other data of the received moving picture mail when an amount of data accumulated in the buffer has reached a predetermined size or more;

allowing the second mobile terminal to generate buffering information based upon the amount of data accumulated in the buffer at a predetermined time interval and to transmit the buffering information to the moving picture mail server; and

repeatedly performing an operation for receiving moving picture mail from the moving picture mail server according to a newly set transmission rate based upon the buffering information, storing the moving picture mail in the buffer, and reproducing the moving picture mail.

9. (Original)   The method as set forth in claim 8, wherein the step of generating the buffering information further comprises the steps of:

checking the amount of data accumulated in the buffer at a predetermined time; and

deciding the buffering information according to the amount of data accumulated in the buffer and transmitting the determined buffering information to the moving picture mail server.

10. (Previously Presented)   An apparatus for communicating moving picture mail, comprising:

a first mobile terminal equipped with a first codec for transmitting moving picture mail coded by the first codec;

a second mobile terminal equipped with a second codec for decoding received moving picture mail by the second codec;

a moving picture mail server; and

a transcoding server;

wherein the moving picture mail server comprises:

a database for storing codec information of the first and second mobile terminals;

a transmission controller for confirming a coding technique for moving picture mail transmitted from the first mobile terminal, and confirms an image codec provided in the second mobile terminal to output codec information and generating a path control signal of the moving picture mail on the basis of the codec information; and

a switch for setting a first path for receiving the moving picture mail from the first mobile terminal and a second path for outputting the moving picture mail to the second mobile terminal, according to the path control signal;

wherein the transcoding server comprises a coding controller, a first codec and a second codec, in which:

the coding controller generates a selection control signal for selecting the first codec corresponding to the first mobile terminal and the second codec corresponding to the second mobile terminal according to the codec information output from the transmission controller;

the first codec selected by the coding controller decodes the moving picture mail received from the first mobile terminal through the first path; and

the second codec performs a transcoding operation by coding the moving picture mail so that the second mobile terminal can decode the coded moving picture mail and outputs a result of the transcoding operation to the second path.

11. (Original) The apparatus as set forth in claim 10, wherein the first codec comprises a Joint Photographic Expert Group (JPEG) codec.

12. (Original) The apparatus as set forth in claim 10, wherein the second codec comprises a wavelet codec.